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UTILITY PATENT APPLICATION TRANSMITTAL

Assistant Commissioner for Patents
Washington, D.C. 20231
BOX PATENT APPLICATIONCustomer No.: 23696
Attorney Docket No.: PA010487
Date: September 25, 2001
Express Mail Label No.: ET100741946US

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Smee, et al.

For: METHOD AND APPARATUS FOR VARYING THE LENGTH OF AN ADAPTIVE
EQUALIZER BASED ON DOPPLER FREQUENCY.

Enclosed are:

1. Patent application (31) total pages.
2. Drawings: Formal (5) sheet(s) or Informal () sheet(s).
3. Declaration/Power of Attorney: Signed Unsigned
4. This application claims priority from Application Serial No. , Filed , Status .
5. An Assignment () pages and Recordation Form Cover Sheet.
6. A Preliminary Amendment () pages.
7. Information Disclosure Statement (IDS):
 - a. PTO-1449
 - b. Copies of IDS Citations (number of citations:)
8. Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	33 - 20	13	x \$18 =	\$234.00
Independent**	4 - 3	1	x \$80 =	\$80.00
Multiple Dependent Claim(s):	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		\$270	\$
APPLICATION FILING FEE			\$710	\$710.00
			TOTAL FEE	\$1024.00

*If the number in column a is less than 20, enter 0 in column b.
**If the number in column b is less than 3, enter 0 in column b.

8. A check in the amount of \$____ is enclosed to pay the filing fee.
9. Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1024.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
10. The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: September 25, 2001

Signature: Kent D. Baker, Reg. No. 38,822
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San Diego, California 92121-1714
Telephone: (858) 651-1179
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of)
Smee, et al.) For: Method and Apparatus for Varying
Serial No. Unknown) The Length of an Adaptive Equalizer
Filed: Herewith) Based on Doppler Frequency
)) Group Art Unit: Unknown

CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

Asst. Commissioner of Patents
BOX PATENT APPLICATIONS
Washington, D.C. 20231

Dear Sir:

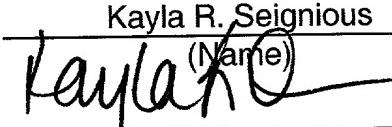
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Date of Deposit SEPTEMBER 25, 2001

I hereby certify that the following papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Asst. Commissioner of Patents, Box Patent Applications, Washington, D.C. 20231:

**PATENT APPLICATION IN 31 PAGES; TRANSMITTAL LETTER IN
DUPLICATE; 5 SHEETS OF FORMAL DRAWINGS; UNSIGNED
DECLARATION/POWER OF ATTORNEY; AND POSTCARD**

Kayla R. Seignious

(Name)


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